

#### ABSTRACT OF THE DISCLOSURE

An overcurrent limit circuit including: a main function part which switches a drive current for a predetermined load between  
5 ON and OFF by an ON/OFF operation of a power-MOS-FET used as a drive switch, and which drives the power-MOS-FET and protects overcurrent; and a shunt-detection part which divides electric current applied to the drive switch from a power source side and detects the overcurrent, wherein the main function part,  
10 in case that the voltage between a drain of the power-MOS-FET and a source thereof is at least less than a predetermined threshold, has a function of limiting the electric current flowing in the power-MOS-FET on the basis of the overcurrent detected by the shunt-detection part.

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